

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **Khanapure et al**

Application No.: **Not Yet Assigned**

Filed: **HEREWITH**

For: **Substituted Aryl Compounds as Novel Cyclooxygenase-2 Selective Inhibitors, Compositions and Methods of Use**

Docket No: 102258.124 US2

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

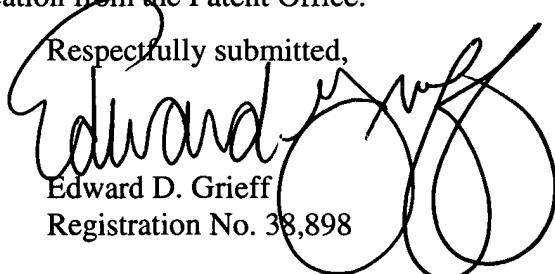
Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicants bring to the attention of the Examiner the documents listed on the attached PTO-1449 Form.

A copy of each of the cited references is not submitted herewith since they were filed and/or cited in one of the applications to which the present application claims priority. 37 CFR § 1.98(d).

The submission of this Information Disclosure Statement does not represent that a search has been made and does not constitute an admission that the listed documents are material to patentability or that the listed documents are prior art.

This Information Disclosure Statement is being submitted before the mailing date of a first office action on the merits or a notice of allowance. Accordingly, no fee is due.

Applicants respectfully request that the Examiner initial and return a copy of the enclosed PTO-1449 Form with the next communication from the Patent Office.

Respectfully submitted,

Edward D. Grieff
Registration No. 38,898

Date: December 10, 2003
HALE AND DORR LLP
1455 Pennsylvania Avenue, NW
Washington, DC 20004
Phone: (202) 942-8400

Substitute for form 1449A/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/024,046
Sheet	1	of	9	Filing Date	December 21, 2001
				First Named Inventor	Khanapure
				Group Art Unit	
				Examiner Name	
				Attorney Docket Number	102258.124 US1

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		5,281,613		Bradbury et al	01-25-1994	
		5,387,592		Bradbury et al	02-07-1995	
		5,463,135		Kanschik-Conradsen et al	10-31-1995	
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		5,621,000		Arena et al	04-15-1997	
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		5,654,305		Sheppard et al	08-05-1997	
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		6,040,341		Del Soldato et al	03-21-2000	
		6,043,232		Garvey et al	03-28-2000	

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Examiner Initials ¹	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴				
		WO	94/04484	Matji et al	03-03-1994		
		JP	6-107646	Takashi et al	04-19-1994		
		WO	94/12463	Arena	06-09-1994		
		WO	95/01426	Schneider et al	01-12-1995		
		WO	95/09831	Del Soldato	04-13-1995		
		WO	95/30641	Del Soldato et al	11-16-1995		
		WO	96/10012	Batt et al	04-04-1996		
		WO	96/26921	Chaki et al	09-06-1996		
		WO	96/32946	Garvey et al	10-24-1996		
		WO	97/31654	Del Soldato	09-04-1997		

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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(use as many sheets as necessary)				Filing Date	December 21, 2001
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Sheet	2	of	9	Attorney Docket Number	102258.124 US1

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		Office ³	Number ⁴			
		WO	98/09948	Del Soldato et al	03-12-1998	
		WO	98/26127	Freudenreich et al	06-18-1998	
		WO	98/56899	Hage et al	12-17-1998	
		WO	98/57633	Kajiji	12-23-1998	
		WO	99/14194	Friesen et al	03-25-1999	
		WO	99/14195	Friesen et al	03-25-1999	
		WO	99/20110	Winokur	04-29-1999	
		WO	99/21859	Cheung et al	05-06-1999	
		WO	99/34054	Damhus et al	07-08-1999	
		WO	99/44595	Del Soldato	09-10-1999	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		WO	99/45004		Del Soldato	09-10-1999		
		WO	99/45913		Nichtberger	09-16-1999		
		WO	99/58635		Josa et al	11-18-1999		
		WO	00/05225		Bottcher et al	02-03-2000		
		WO	00/06585		Del Soldato	02-10-2000		
		WO	00/18352		Shafer et al	04-06-2000		
		WO	00/25776		Bandarage et al	05-11-2000		
		WO	00/44705		Del Soldato et al	08-03-2000		
		WO	00/51988		Benedini et al	08-03-2000		
		WO	00/61537		Del Soldato	10-19-2000		

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Substitute for form 1449A/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/024,026
(use as many sheets as necessary)		Filing Date	December 21, 2001
		First Named Inventor	Khanapure
		Group Art Unit	
		Examiner Name	
Sheet	4	of	9
		Attorney Docket Number	102258.124 US1

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		Office ³	Number ⁴			
		WO	00/61541	Del Soldato	10-19-2000	
		WO	00/61549	Del Soldato	10-19-2000	
		WO	00/61604	Del Soldato	10-19-2000	
		EP	1 052 238	A1 Tanimoto et al	11-15-2000	
		WO	00/72838	A1 Eek et al	12-07-2000	
		WO	00/73278	A2 Boes et al	12-07-2000	
		WO	01/00563	A1 Benedini et al	01-04-2001	
		WO	01/04082	A1 Castaldi et al	01-18-2001	
		WO	01/10814	A1 Benedini et al	02-15-2001	
		WO	01/12584	A2 Del Soldato	02-22-2001	

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Sheet	5	of	9	Attorney Docket Number	102258.124 US1

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		Office ³	Number ⁴			
		WO	01/54688	A1	Waldstreicher et al	08-02-2001
		WO	01/54691	A1	Del Soldato et al	08-02-2001
		WO	01/56573	A1	Mangel et al	08-09-2001
		WO	01/87353	A2	Scolnick et al	11-22-2001
		WO	02/00166	A2	Bergman et al	01-03-2002

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				Filing Date	December 21, 2001
				First Named Inventor	Khanapure
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				Examiner Name	
Sheet	6	of	9	Attorney Docket Number	102258.124 US1

U.S. PATENT DOCUMENTS

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Notice of References Cited

Sheet 7 of 9

Application/Control No.
10/024,046

Applicant(s)/Patent Under Reexam
Subhash P. Khanpure et al

Examiner
Sudhaker Patel

Art Unit
1624

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Name	Classification²
A				
B				
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FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Country	Name	Classification²
X N	9,610,012	4/1996	WO	Batt et al	—
X O	9,626,921	9/1996	WO	Asamura et al	—
P					
Q					
R					
S					
T					

NON-PATENT DOCUMENTS

*	Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
U	Nathan"NO as a secretory product of mammalian cells",FASEB J.6,3052-3064(1992).
V	Schlosser et al, "COX-2 is Overexpressed...";PubMed:12131767;Pancreas,25/1,26-30(2002).
W	Slomiany et al,"Activn....COX and NOS during ...ulcer healing",PuBMed;J.Physiol.Pharmacol,53/2,159-69(2002).
X	Rajnakova et al,"Expression of NOS,COx-2 and p53...gastric cancer",PubMed:11566494;Cancer Lett,172/2,177-85(2001).

¹A copy of this reference is not being furnished with this Office action. See MPEP § 707.05(a).

¹Dates in MM-YYYY format are publication dates.

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Notice of References Cited

Sheet 8 of 9

Application/Control No.
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Sudhakar Patel

Art Unit

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A				
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N					
O					
P					
Q					
R					
S					
T					

NON-PATENT DOCUMENTS

	Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
U	Devaux et al,"Lipopolysaccharide-induced....E2 mediated...NOS activn...Cox-2 ...";PubMed;J.Immun.,167/7,3962(2001).
V	McCarthy et al,"Prev. and Treatment of gastroint. and complica. due to NSAIDs",PubMed:11566039;Best Pract. res.Clin Gast.,15/5,755(2001).
W	Ahmad et al,"Renal failure....celecoxib and rofecoxib",PubMed:12093311;Drug Saf,25/7,537-44(2002).
X	Dicjens et al,"COX-2 Express. in Pediatric Sarcomas",PubMed:12024286;Pediatr Dev Pathol,5/4(2002).

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A				
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P					
Q					
R					
S					
T					

NON-PATENT DOCUMENTS

	Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages	
U	Cutsem et al,"The treatm....adv.colorectal cancer:...",puBMed:11969241;Best Pract.res Clin Gastr.,16/2,319(2002).	
V	Khanna et al,"Selective COX-2 inhibitors: heteroaryl modif....diarylimidazoles are potent, orally active antiinflam...",PuBMed:10956225;J.Med.Chem. 43/16,3168(2000).	
W		
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